Claims:

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1. A method for maintaining a first data transmission connection from a terminal (MS) to a telecommunication network (NW1), in which method also at least a second data transmission connection is formed between said terminal (MS) and telecommunication network (NW1), and in which method the first data transmission connection is interrupted for the time of the second data transmission connection, **characterized** in that in the method, a message for maintaining the first data transmission connection is set up in connection with setting up the second data transmission connection, and that the setting up of the message maintaining the first data transmission connection is started in the terminal (MS).

2. The method according to claim 1, **characterized** in that said message for maintaining the first data transmission connection is generated in the terminal (MS), wherein said message for maintaining the first data transmission connection is transmitted from the terminal (MS) to the telecommunication network (NW1).

3. The method according to claim 1, **characterized** in that said message for maintaining the first data transmission connection is generated in the telecommunication network (NW1), wherein the setting up of said message for maintaining the first data transmission connection is started by sending information about interrupting the first data transmission connection from the terminal (MS) to the telecommunication network (NW1).

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4. The method according to claim 1, ~~2 or 3~~, wherein the message to set up the second data transmission connection is received in the terminal (MS), wherein a message replying to the request to set up a second data transmission connection is transmitted from the terminal (MS) to the telecommunication network (NW1), **characterized** in that said message for maintaining the first data transmission connection is transmitted before transmitting said reply message.

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5. The method according to ~~any of the~~ claims 1 ~~to 4~~, wherein for setting up the second data transmission connection, the user of the

terminal (MS) selects a telephone number, **characterized** in that said maintenance message is transmitted after the selection of the telephone number, before setting up of the second data transmission connection.

6. The method according to ~~any of the~~ claim$ 1 ~~to 5~~, wherein the telecommunication network (NW1) communicates with a local area network (NW3), and the first data transmission connection is set up from the terminal (MS) to a server (S) coupled to said local area network (NW3), **characterized** in that the telecommunication network (NW1) transmits said maintenance message to said server (S).

7. The method according to ~~any of the~~ claim$ 1 ~~to 6~~, wherein the telecommunication network (NW1) communicates with the Internet data network (NW2), and the first data transmission connection is set up from the terminal (MS) to a server (S) communicating with said Internet network (NW2), **characterized** in that the telecommunication network (NW1) transmits said maintenance method to said Internet data network (NW2).

8. The method according to ~~any of the~~ claim$ 1 ~~to 7~~, **characterized** in that said maintenance message is supplemented with a "No Operation" command (NOOP).

9. The method according to ~~any of the~~ claim$ 1 ~~to 8~~, **characterized** in that said first data transmission connection is set up as a packet connection and said second data transmission connection is set up as a circuit-switched connection.

10. The method according to ~~any of the~~ claim$ 1 ~~to 9~~, **characterized** in that said terminal (MS) used is a wireless terminal, and said telecommunication network (NW1) is a mobile communication network.

11. A terminal (MS) which comprises means (RF) for setting up a connection to a telecommunication network (NW1), comprising means (SGSN, GGSN) for setting up a first data transmission connection between the telecommunication network (NW1) and said terminal (MS), means (MSC) for setting up a second data transmission connection

between the telecommunication network (NW1) and said wireless terminal (MS), and means (MSC, PSTN) for interrupting the first data transmission connection for the time of the second data transmission connection, **characterized** in that the terminal (MS) further comprises at least means (CONTROL, RF) for starting the setting up of a message for maintaining the first data transmission connection in connection with setting up the second data transmission connection.

12. The terminal (MS) according to claim 11, **characterized** in that the means for starting the setting up of a message for maintaining the first data transmission connection comprise means (CONTROL) for generating a message for maintaining the first data transmission connection and means (RF) for transmitting the message for maintaining the first data transmission connection.

13. The terminal (MS) according to claim 11, **characterized** in that said message for maintaining the first data transmission connection is arranged to be generated in the telecommunication network (NW1), wherein the means for starting the setting up of a message for maintaining the first data transmission connection comprise means (RF) for transmitting information about interrupting the first data transmission connection to the telecommunication network (NW1).

14. The terminal (MS) according to claim 11, ~~12 or 13~~, which comprises means (RF) for receiving a message requesting for setting up of the second data transmission connection, and means (RF) for transmitting the message in response to the request for setting up the second data transmission connection to the telecommunication network (NW1), **characterized** in that the means for transmitting the message for maintaining the first data transmission connection comprise means (CONTROL, RF) for transmitting said maintenance message before transmitting said reply message.

15. The terminal (MS) according to ~~any of the~~ claim~~s~~ 11 ~~to 14~~, which comprises means (KB) for selecting a telephone number, means (KB) for adding the selected telephone number to the message for setting up the second data transmission connection, and means (RF) for transmitting the message requesting for setting up of the second data trans-

mission connection to the telecommunication network (NW1), **characterized** in that the means for transmitting the message for maintaining the first data transmission connection comprise means (CONTROL, RF) for transmitting said maintenance message before transmitting said message requesting for setting up of the second data transmission connection.

16. The terminal (MS) according to ~~any of the~~ claims 11 ~~to 15~~, **characterized** in that it is a wireless terminal.

17. The terminal (MS) according to ~~any of the~~ claims 11 ~~to 16~~, **characterized** in that it comprises a data processor (PC), and that said means for setting up the message for maintaining the first data transmission connection are arranged in said data processor (PC).

18. A communication system which comprises at least one telecommunication network (NW1) and at least one terminal (MS), means (SGSN, GGSN) for setting up a first data transmission connection between the telecommunication network (NW1) and said terminal (MS), means (MSC) for setting up a second data transmission connection between the telecommunication network (NW1) and the terminal (MS), and means (MSC, PSTN) for interrupting the first data transmission connection for the time of the second data transmission connection, **characterized** in that the communication system further comprises at least means (CONTROL, NW1) for setting up a message for maintaining the first data transmission connection and means (CONTROL, RF) for starting the setting up of the message maintaining the first data transmission connection in connection with setting up of the second data transmission connection.

19. The communication system according to claim 18, which also comprises a local area network (NW1), at least one server (S) coupled to a local area network (NW3), and means for setting up a data transmission connection between the telecommunication network (NW1) and the local area network (NW3), **characterized** in that the communication system further comprises means (SGSN, GGSN, NW2, R1) for transmitting said maintenance message from the telecommunication network (NW1) to said server (S).

20. The communication system according to claim 18 ~~or 19~~, wherein the terminal (MS) comprises means (KB) for selecting a telephone number, means (KB) for adding the selected telephone number to the message for setting up the second data transmission connection, and means (RF) for transmitting the message for setting up the second data transmission connection to the telecommunication network (NW1), **characterized** in that the means for transmitting the message for maintaining the first data transmission connection comprise means (CONTROL, RF) for transmitting said maintenance message before the transmission of said message of requesting for setting up of the second data transmission message.

21. The communication system according to claim 18, ~~19 or 20~~, **characterized** in that said maintenance message is supplemented with a "No Operation" command (NOOP).

22. The communication system according to ~~any of the~~ claims 18 ~~to 21~~, **characterized** in that said terminal (MS) is a wireless terminal, and said telecommunication network (NW1) is a mobile communication network.

23. The communication system according to claim 22, **characterized** in that said first data transmission connection is a GPRS packet connection and said second data transmission connection is a circuit-switched connection.